

## ElDorado National Vehicles Undergo Some Improvements

Several improvements and/or changes have been made to the ElDorado National small cutaway and medium-duty vehicles produced under contracts with Hoekstra Transportation, Inc. These improvements/changes, as well as this list, are a direct result of feedback provided by transit agencies around the state and suggestions made during the recent vehicle meetings. This list shows how effective communication between MDOT, the Michigan transit community, and the vehicle manufacturers can lead to better quality transit vehicles in Michigan. If you have any questions regarding these changes, please contact Jerome Jonson at 517/335-2568 or e-mail: [jonsonj@mdot.state.mi.us](mailto:jonsonj@mdot.state.mi.us).

System	Action	Bus Models Affected by Change	
		Medium-Duty AeroElite	Cutaway Aerotech
AC system	A brush guard has been added to the roof mount condenser.	X	
AC system	AC Carrier Quick-Click fittings and hose have replaced the crimp style products.	X	X
AC system	The mount kit for the add-on compressor now features less complex belt routing.	X	
Air System	An air drier has been added to the OEM chassis air supply system.	X	
Auxiliary heater box	The latch is now a plastic, non-corrosive slam latch.	X	X
Battery box	ElDorado National adds a fiberglass splash guard to the OEM chassis battery box.	X	
Battery box	The latch is now a plastic, non-corrosive slam latch.		X
Battery cables	The bulky and rigid 4/0 battery cable is omitted and dual 1/0 cable is provided.	X	X
Brake retarder	The Jacobs drive line brake and solid state controller have been replaced with a Telma drive line brake and contactor box.	X	
Clearance lights	Front clearance lights have changed from the tear drop style light to a flatter, fully gasketed Signal-Stat brand light.	X	X
Door frames	The paint/primer process has been upgraded to include a baked on primer coat which is applied before the baked on powder coat paint is applied.	X	X
Driver's shield/barrier	The brackets used to secure the shield to the wing panel/cab liner have been replaced by a stainless-steel vertical stanchion.	X	X
Driver's shield/barrier	The horizontal crossbars mount into the Navistar b-pillar instead of the lighter wing panel.	X	
Dust leaks	The entry door attachment tube forward of the entry door is plugged with foam sealant to prevent dust from entering the cab and driver's areas.	X	X
Electrical	The terminal strips behind the entry door access panel and the rear evaporator have been replaced by in-line ground drops.	X	X
Electrical	The redesigned fuse panel now includes OEM Ford fuses for the ElDorado National components.		X

## EIDorado National Vehicle Improvements *(continued)*

System	Action	Bus Models Affected by Change	
		Medium-Duty AeroElite	Cutaway Aerotech
Entry assist	A driver's side exterior grab handle is now standard equipment.	X	
Entry door	The entry door's leaf pivot pins material is upgraded to a hardened, heat-treated steel material. The snap ring on the emergency release receptacle has been replaced by a machined flange. The center gear and bolt on the door mechanism are now a larger diameter. A grooved lube ring has been added to the center gear on the entry door mechanism.	X	X
Entry stepwell	One piece step treads are standard.	X	X
Floor	Areas requiring additional sealing have been identified and caulking and foam are applied accordingly.	X	
Lighting	The specification now includes a roof-mount strobe light and guard.	X	
Master disconnect	The master disconnect switch only disconnects the body. The OEM switch chassis electronics are not disconnected.	X	X
Master disconnect switch	An ABS shroud has been added to the bottom of the switch to protect the cables and connections.	X	
Paratransit restraints	Flanged L-track with end caps is standard for wheelchair restraints.	X	X
Park brake	The air park brake is standard equipment, replacing the manual park brake.	X	
Rear door	An ABS guard has been added to the rear door slide latch mechanism.	X	X
Seat belts	The retractor for the fixed position passenger seats was moved underneath the seat frame. The lap retractor is only used for flip seats and rear row seats.	X	X
Stanchions/handrails	Yellow powder coated stanchions have been added in the entrance area (per specification).	X	X
Tag light and bracket	The rear tag light assembly has been upgraded to a corrosion resistant, plastic housing light. On rear door units the license tag bracket has been replaced by jack-nuts imbedded in the fiberglass body, eliminating the corrosion-prone steel tag bracket.	X	X
UVL equipped units	Under vehicle lift - The lower step at the driver's door has been extended approximately 2" to aid the driver's exit from the bus.	X	
<b>Bulletins</b>	99-1 9-29-99 Terminal Strips	X	X
	99-2 12-22-99 Low Band Radio Fix	X	X
	00-01 10-2-00 Door Rust	X	X
	00-02 10-2-00 Entry Door Screws	X	X
	01-01 1-25-01 Disable Jacobs Brake Retarder	X	
	Letter 1-25-01 Stepwell Heater	X	
	3201 3-2-01 Espar Heater/Heater Box	X	
	Letter 3-23-01 NHTSA H01F-008 Jacobs Controller	X	